

CLIMATOLOGICAL DATA FOR OCTOBER, 1913.

DISTRICT NO. 10, GREAT BASIN.

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GENERAL SUMMARY.

The first decade of the month was wet in all portions of the district except in the California area. During the remainder of the month the weather was ideal and typical of the Indian Summer variety. The month as a whole, however, was generally favorable for all interests. Crops, such as beets, apples, and potatoes, were safely gathered, with the exception of a few potatoes reported to have been frozen while lying on the ground waiting to be hauled to shelter, and in many places the thrashing of grain and lucern was completed by the end of the month. The rains were generally beneficial to the ranges, and stock was reported fat and in otherwise good condition. The moisture put the land in good shape for plowing, which was prosecuted to good advantage during the month. Where fall grain was planted, it was reported well rooted and doing nicely. In the southern portion of the Utah area some tomatoes, sweet potatoes, and grapes were frozen.

The temperature for the district averaged lower than normal, but was higher than that of October of last year. The precipitation likewise averaged below normal. Local snows fell quite generally, except in the Oregon and California areas, and in the Utah area some damage resulted from the breaking of limbs from trees and bushes, due to the wet and heavy condition.

TEMPERATURE.

The temperature for the district averaged 47° , or 0.9° below normal. The local means ranged from 36.4° at Cokeville, Wyo., to 62.5° at Jean, Nev., but the means at most stations lay between 40° and 50° . The majority of stations reported means below normal, the deficiencies in temperature being most pronounced and general in the Idaho, Wyoming, and Utah areas; while in the remainder of the district excesses were the rule. The warmest weather was confined to the more level portions of the district, among the warmest places being stations in the vicinity of Great Salt Lake and in the west and southwest portions of the Nevada area.

The month began quite warm and so remained until the 5th or 6th, when the temperature fell decidedly; frosts occurred at that time, and many stations reported their lowest temperatures on these dates. Cool weather continued until the middle of the month, after which it

became warmer, and seasonable temperatures prevailed until the close of the month, excepting the 26th and 29th, which were unusually cold.

The highest temperatures for the month in the respective States, or parts of States, were, 75° on the 3d, at Border, Wyo.; 82° on the 1st at Paris, Idaho; 86° on the 23d, at Fillmore, Utah; 89° on the 2d, at Battle Mountain, Nev.; 94° on the 9th, at Paisley, Oreg.; and 80° on the 1st and other dates at Truckee, Cal. The lowest temperatures were, 9° on the 26th, at Cokeville, Wyo.; 15° on the 26th and other dates, at Paris, Idaho; 5° on the 6th at Soldier Summit, Utah, and on the 21st, at Tecoma, Nev.; 8° on the 4th, at Cliff, Oreg.; and 9° on the 6th, at Bridgeport, Cal.

PRECIPITATION.

The precipitation for the district averaged 0.71 inch, which is 0.16 inch below the normal, or about one-third of the average for October, 1913. The larger amounts occurred in the Utah, Idaho, and Wyoming areas, and the lesser in the central portions of the Nevada area. The majority of the stations in the district reported amounts below normal, but at a few stations in the Utah area amounts in excess of the normal occurred. The largest monthly amount was 2.96 inches, at Maple Creek, Utah. There were 27 stations at which no precipitation, or only a trace, occurred.

Rain began on the 3d quite generally throughout the district, continuing until the 10th, and with the exception of a few scattering showers the remainder of the month was fair. Snow fell quite generally in the Utah area on the 5th, causing some damage. The greatest monthly amount of snow was 15.5 inches at Strawberry West. The snow quickly disappeared, however, from the valley floors, but at the close of the month the higher mountain peaks were still capped with snow.

MISCELLANEOUS PHENOMENA AND REMARKS.

The average number of rainy days was 2, clear days 18, partly cloudy days 7, and cloudy days 6.

Snow was reported above the 7,000-foot level at Cathedral Park, Cal.

At Bridgeport, Cal., it is reported that at some places where snow has been observed for many years past the ground is now bare.

